ADRIÁN VINUEZA

Data Analyst | Data Visualization

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EXPERIENCE

Executive Council Member and Microcontroller programming teacher

Colegio Técnico Industrial Febres Cordero

📅 10/2019 - 03/2023 📍 Guayaquil

- Planned and conducted **statistical analysis** of student council election results, reducing delivery time by 45%.
- Provided **ICT support** to the Rectorate for the 2022-2023 **accountability report**, reducing delivery time by 33%.
- **Analyzed guest satisfaction surveys** from institutional events, leading to a 20% improvement in quality.
- Developed a curriculum to train students in **microcontroller programming**.

Electronic Design Assistant

Astilleros Navales Ecuatorianos EP

📅 02/2018 - 12/2018 📍 Guayaquil

- **Reported parameters** of surveillance and navigation system to the technical team, allowing for 7-day advance **forecasts of equipment failures**. This reduced damage and replacement costs, saving 3% of the maintenance budget, and improved bug resolution time by 10%.
- **Collaborated with finance**, procurement, electrical, and mechanical departments to enhance communication and support project development and decision-making.

PROJECTS

Sports Center Churn

📅 04/2024

🔗 https://github.com/ScinDBad/churn_prediction_fitness

Developed a classifier model and clustering model to predict membership churns

- Built a logistic regression classifier using Scikit-Learn to predict sports center membership cancellations and achieved 91% accuracy and 81% precision.
- Clustered customers using K-means and dendrograms to analyze behavior, which led to the identification of a distinct group that churned 90% of times.

Contact Center Operators Effectiveness

📅 04/2024

🔗 https://github.com/ScinDBad/DA_proyecto_final/tree/main/Telecom

Performed exploratory data analysis and a t-test to identify ineffective operators

- Identified 29% of operators as ineffective by quantifying task performance and normalizing the distance to defined thresholds for each task using **Scikit-Learn**.
- Performed a **t-test with SciPy** to statistically support the average levels of inefficiency found.

Video Game Industry Insights

📅 03/2024

🔗 https://github.com/ScinDBad/gamEda

Analyzed video game sales, popularity, and ratings across platforms

- Analyzed the video game industry with **Seaborn** and **Plotly**, filling 77.2% of missing data and exploring sales and scores over 10 years.
- Used **Welch's t-tests** to find a 47.8% **probability** that rating differences between Xbox One and PC are due to chance, suggesting similar ratings.

Shopping Platform Recommender System

📅 03/2024

🔗 https://github.com/ScinDBad/DA_proyecto_final/tree/main/AB_test

A/B Test Analysis of Conversion Rates and online visits Traffic Patterns

- Developed an A/B test with **SciPy** to compare conversion rates between the original system and a recommendation system on an online shopping platform.
- **Visualized with Plotly** that recommendation system had 16% fewer conversions but alleviated traffic congestion with 6 activity peaks in December 2020.

Exploratory Analysis of a Digital Book Repository

📅 03/2024

🔗 https://github.com/ScinDBad/DA_proyecto_final/tree/main/sql_bookdata

Analyzed a book database, identifying top-reviewed books and the major editor

- Analyzed a digital book repository using **Pandas** and **SQLAlchemy**, identifying the most reviewed book with a 3.71 average rating.
- Identified the major editor of 42 books, each with at least 50 pages.

SUMMARY

Data Analyst with 4 years of experience in Education and Naval Industry. Skilled in **Python**, **SQL** and **data visualization**. Collaborated in **multidisciplinary Teams** and performed technical reports based on data. Focused on delivering actionable results to meet business needs.

STRENGTHS

Lateral Thinking
Capable of solving problems using creative and non-traditional approaches.

Cognitive Flexibility
Skilled to adapt analysis to new situations or changing requirements.

Multidisciplinary Communication
Proficient Ability for communicating among different functional teams.

SKILLS

Python	SQL	Power BI	Tableau

Visual Studio Code Jupyter Microsoft Office

Power Query

EDUCATION

Master of Pedagogy for Technical Vocation and Educational Training

Universidad Bolivariana del Ecuador (Online)

📅 07/2022 - 10/2023 📍 Guayaquil

Engineer in Electronics & Telecommunications

Escuela Superior Politécnica del Litoral

📅 05/2010 - 02/2017 📍 Guayaquil

TRAINING / COURSES

Data Analyst
Tripleten Online Bootcamp

Python for Data Science
A2 Capacitación Online Course

SQL for Data Science (MySQL)
A2 Capacitación Online Course

Power BI for Data visualization
A2 Capacitación Online Course

LANGUAGES

English
Intermediate ●●●○○

Spanish
Native ●●●●●

PORTFOLIO

🌐 https://scindbad.github.io/

🐙 https://github.com/ScinDBad